

Automated oil hydraulic
equipment to answer
every heavy duty
raising and lowering
requirement
for industry

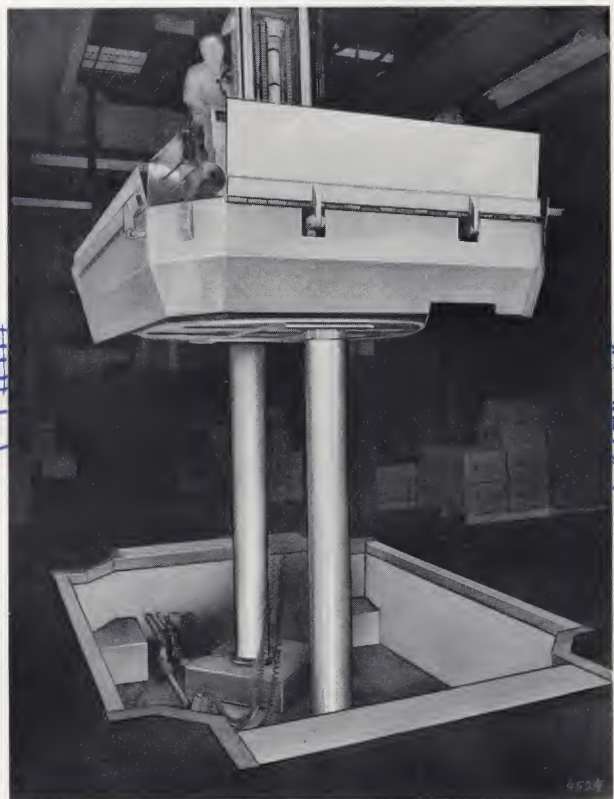
Autoquip

AUTOLEVEL LIFTS



Spotlighting

low initial cost
most efficient operation
minimum maintainance
safety
unparalleled efficiency



AUTOQUIP CORPORATION

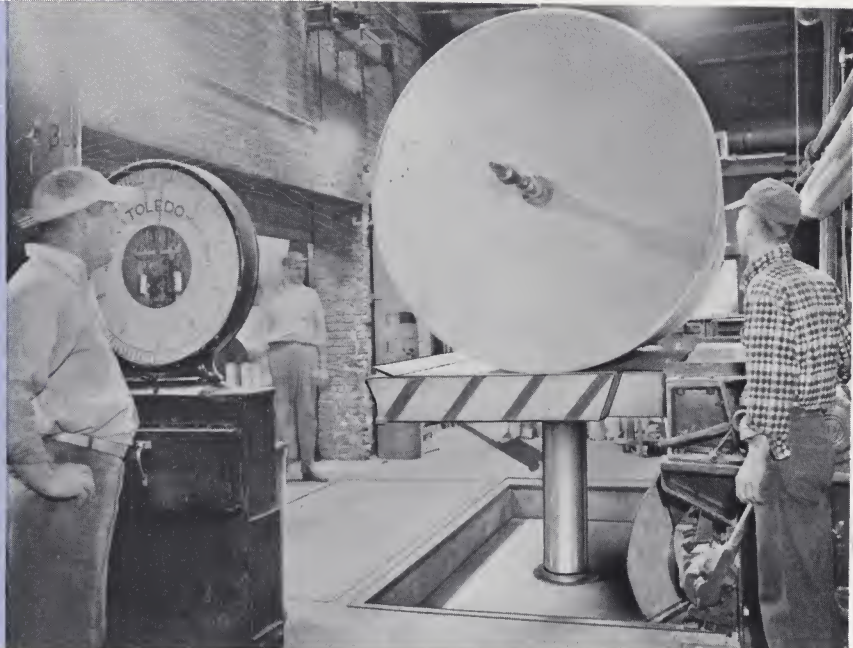
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AUTOQUIP AUTOLEVEL LIFTS

Economic automation for feeding
stacking, loading, unloading,
production feeding

A widely used Autoquip application, the Auto-level paper roll lift, used in paper, printing and boxboard industries. Photo at right: an Auto-level Lift raises a 4-ton paper roll.



Problem: to efficiently lift bags of granulated resin required for charging mixer hopper. Solution: an Auto-level Lift which raises materials to 7 ft. height.



Problem: production stacking of wallboard. Solution: Autolevel Lift—automatically raises and increments. After load is removed, lift automatically returns to top position, receives new load, then into new cycle for palletizing.



Problem: handling and stacking of steel and copper reels for palletizing. Solution: Autolevel Lift automatically performs job...eliminates substantial man power and fatigue, increases production efficiency.

SPECIFICATIONS AUTOQUIP AUTO-LEVEL LIFTS

TRAVEL: Up to 7'0", Standard

CAPACITY: 1,000 lbs through 100,000 lbs.

SPEED: Up to 20 f.p.m. with Electric Power Unit.

CAR: Built of formed and structural steel shapes, rigidly welded with steel floor plate.

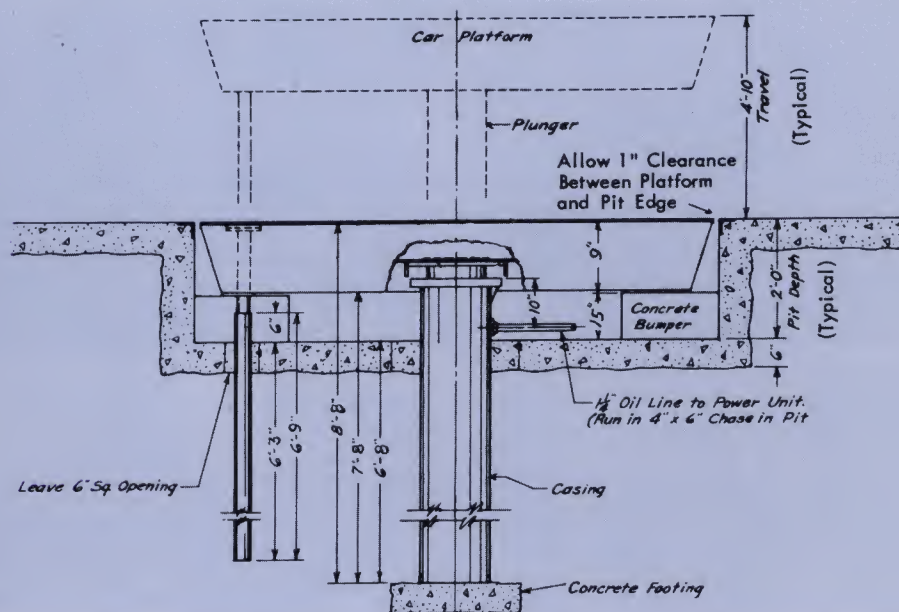
JACK: Seamless Steel plunger, turned and polished to satin finish. Welded in stop plate, steel outer casing, close fit "Durite" double bearing, "fluid prison" one piece wiper and seal at top of casing for easy access.

ELECTRIC POWER UNIT: Self Contained with motor, pump, valves, and oil reservoir. Valve assembly comprised of relief valve, lowering valve, check valve.

CONTROL: To suit application—remote drum switch or push button control recommended.

AIR POWER UNIT: ASME Air-oil reservoir, 1-1/4" oil control and 1/2" air control valve.

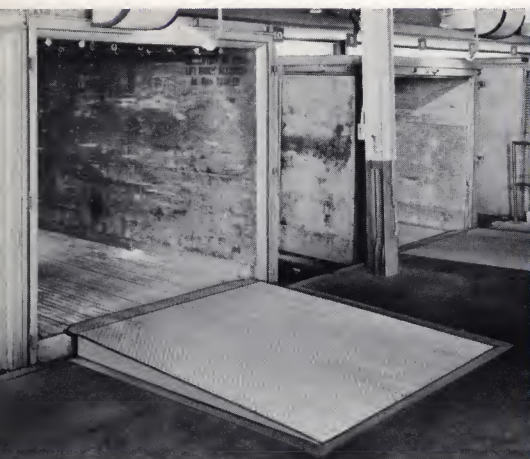
AUTOQUIP AUTO-LEVEL LIFT LAYOUT



Specialists in material handling problems, AUTOQUIP offers a wide selection of lifting devices for loading, unloading, leveling, and production feeding incorporating unparalleled economies...from initial cost through maintenance. ■ Throughout industry, Autoquip lift applications include loading directly from plant floor to trucks or at different floor levels, machine feeding or receiving, automatic stacking and work leveling. ■ The benefits of advance design permits Autoquip level lifts to speed plant traffic and utilize plant area through flush installation. ■ Autoquip material handling lifts are used in a variety of automation applications because of proved dependability, safety and distinctive operational benefits. ■ The money saved by Autoquip units in providing increased efficiency and stepped-up handling usually covers installation cost.

AUTOQUIP AUTOLEVEL RAMPS.

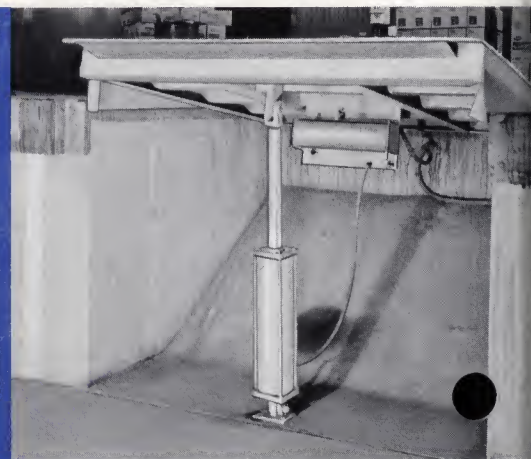
Economic automation for bridging docks and trucks, compensating for varying truck bed heights



One of the largest multiple ramp installations in the world in one truck loading dock. The ramps are Autoquip Autolevel units. Photo above illustrates a close up of this extensive installation.



An automatic Autoquip Autolevel floating dock ramp enables simplified truck loading. Note: automatic dock maintains proper level all through loading operation.



Under view of Autolevel dock ramp installation showing powerful ram and "package power" unit design which incorporates floating and safety lock features.

SPECIFICATIONS AUTOQUIP AUTOLEVEL RAMP

PLATFORM: 6'0" x 8'0" with heavy reinforced fixed bridge lip, 5'0" wide. Flooring shall be non-skid steel plate with formed members, rigidly welded and reinforced.

CAPACITY: 20,000 lbs. sustaining when in loading position and resting on truck bed. 10,000 lbs. cross traffic.

TRAVEL: 24" at outer edge of platform.

SPEED: 8 f.p.m.

HINGE MECHANISM: A heavy duty hinge structural channel.

HYDRAULIC JACK UNIT: The lifting cylinder shall consist of chrome plated steel ram, with piston type cylinder.

ELECTRIC HYDRAULIC POWER UNIT: Equipped with a self-contained electric assembly. The motor pump assembly shall be a complete package including a check valve, pressure relief valve, flexible hose, heavy duty solenoid valve, and float minder automatic safety valve.

CONTROL: The "Up-Off-Down" drum switch control station

shall be provided for wall mounting.

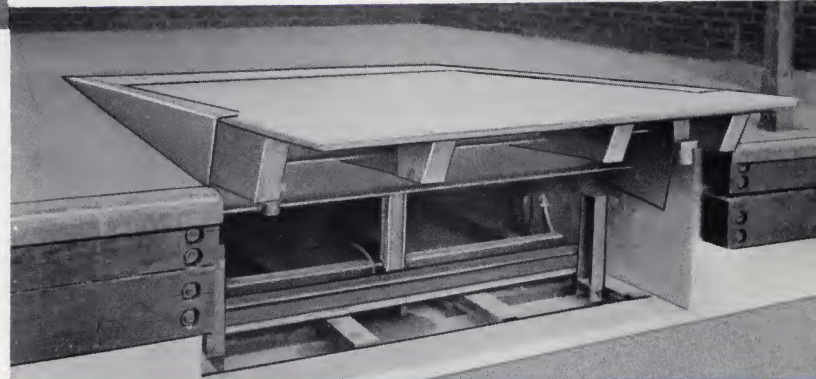
OPERATION: The platform is raised for receiving a truck, then lowered until the bridge lip contacts the truck. Automatic floating action then goes into operation to compensate for vertical movement. When truck leaves dock, ramp is returned to dock level where it can sustain cross traffic loads to provide additional working space on crowded docks.

WORK TO BE PERFORMED BY GENERAL CONTRACTOR OR OWNER: (1) Angle framing for pit and installation of Autoquip hinge channel. (2) Excavation, concrete work. (3) Wiring through fused disconnect switch to controller and terminal box.

Autoquip Ramps that automatically compensate!

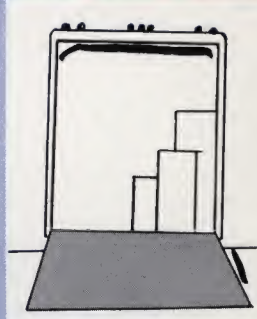
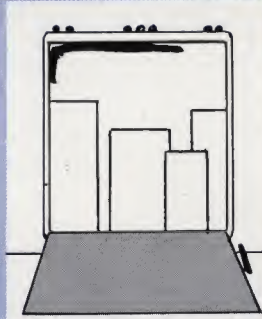
FLEX-O-DOCK "IN AND OUT" RAMPS

New Flex-O-Dock "In and Out" Ramps self-compensate! Autoquip design provides a ramp platform (including extension) that "free floats" after lip of extension is positioned on truck bed or tailgate. Out-of-level truck bed conditions up to 4" maximum are automatically compensated in the 6' ramp platform width. Out of level platform flex is continuous and smooth along the lip of the platform extension. Flex-O-Dock Ramps are also available for RAILROAD CAR docks with a 42" horizontal extension.

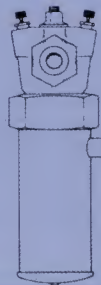


SPECIFICATIONS

Capacity	20,000 lbs.
Platform	6' 0" x 8' 0" - with non-skid steel floor
Vertical Travel	24"
Horizontal Travel	22"
Power	1 HP - 220v/60cy/3ph
Automatic Safety Device	Prevents drop of more than 3/4" of the ramp platform if truck moves away leaving ramp unsupported under load.
Location	Dock ramp and all components are self-contained requiring only anchoring in position, or clevis-connection to it's hinge support at rear pit wall.
Electric Control	Operated by 4 momentary-make push buttons.
Electric Power Unit	Suitable for continuous operation at a frequency of 20 full stroke operating cycles per hour or 4 full stroke operations in any five minute period without exceeding the rated thermal rise.



AUTOMATICALLY COMPENSATES FOR OUT-OF-LEVEL TRUCK BEDS



this is the
FLOAT MINDER

Solenoid coil is not energized during floating! Ramp may be left in position on truck bed indefinitely without danger of burning out valve coils. Ramp locks in place instantly if truck pulls away while load is on ramp. No spilled loads, no burned out coils, no time limit!

The Autoquip Autolevel Ramp is the answer to industry's requirement for a low-cost leveling ramp. ■ These units compensate for varying truck bed heights and bridge the gap between dock and truck. ■ As is typical of Autoquip installations, money saved through increased efficiency and stepped-up handling actually pays for initial cost. ■ Low initial cost and minimum maintenance contribute substantially to accelerated write-off. ■ Self-leveling... free floating lip... automatic safety devices... chrome-plated ram... latest engineering advancements are inherent features. ■ An Autoquip special: Chrome-plated ram prevents rust or scoring and assures exceptional long life to seals and cylinders. ■ There are thousands of successful Autoquip installations across the country. The rugged design and construction of these installations are the result of years of experience and research in the material handling field.

Autoquip

lift equipment for industry... from

A to Z

Combined, these five lift units answer almost every conceivable industrial lift requirement. In widespread use, Autoquip lifts have proved their capacity to accelerate production, minimize maintenance, assure dependable operation . . . at substantial economies.



THE WORLD'S LEADING DEVELOPER AND
MANUFACTURERS OF
HYDRAULIC ELEVATING DEVICES

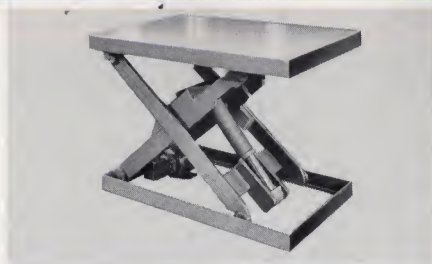
Autoquip

CORPORATION

1140 SOUTH WASHTENAW, CHICAGO 12, ILLINOIS

PORTA LIFT . . . up to 15,000 lb. capacity

Extremely compact, lightweight design incorporates "flip up" top for fast service accessibility, lifetime lubricated bearings, portable no-installation design. With Autoquip "lowers flat as a pancake" design.



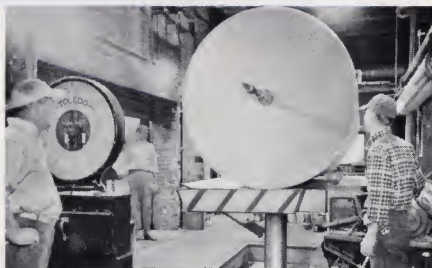
PORTA CONTACT LIFT . . . up to 100,000 lb. capacity

Widely used for truck loading and unloading, work-leveler, semi-live skid, sheet feeder and numerous other applications. Completely portable, extremely versatile, requires no installation.



AUTOMATIC PLATFORM LIFT . . . up to 100,000 lb. capacity

Automatic leveler featuring powerful hydraulic ram. Primary function is feeding presses, stamping, paper and production machines. Custom designed and constructed to individual job requirements.



AUTOMATIC RAMP . . . designed to the need

A low cost loading ramp for bridging gaps between docks and trucks while compensating for truck height, whatever it may be. Low initial cost is complemented by minimum maintenance and important increased materials handling efficiency.



TRUCK LEVELER . . . delivered as a package

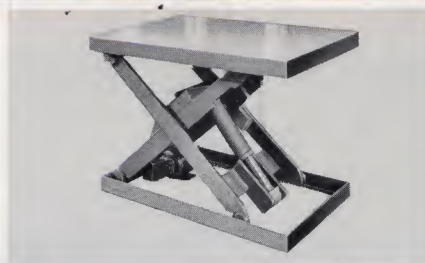
Autoquip's hydraulic lift abilities provide unexcelled leveling for any truck while enabling far greater installation economy. "Single package" delivery means installation is easy, fast, typical Autoquip minimal maintenance service.





PORTA LIFT... up to 15,000 lb. capacity

Extremely compact, lightweight design incorporates "flip up" top for fast service accessibility, lifetime lubricated bearings, portable no-installation design. With Autoquip "lowers flat as a pancake" design.



PORTA CONTACT LIFT... up to 100,000 lb. capacity

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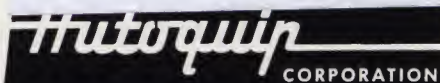
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